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Arg Tyr Trp Ile Ser Leu Leu Ala Leu Glu Ser Lys Leu Asn Lys Asp $85 \hspace{1.5cm} 90 \hspace{1.5cm} 95$

Pro His Ala Lys Ala Glu Leu Ala Arg Arg Ile Gln Tyr Leu Pro Thr 100 105 110

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Leu Gly Pro Arg Ile Gln Val Thr Gly Ser Pro Ala Val Leu Gln Ser 145 150 155 160

Pro Gln Val Gln Ala Lys Val Arg Ala Thr Leu Leu Ala Gly Ile Arg Page 36 Ala Ala Val Leu Trp His Gln Val Gly Gly Gly Arg Leu Gln Leu Met 180 185 190

Phe Ser Arg Asn Arg Leu Thr Thr Gln Ala Lys Gln Ile Leu Ala His 195 200 205

Leu Thr Pro Glu Leu 210

62

<210> <211> 204

<212> PRT

<213> Vibrio cholerae

<400> 62

Met Ala Asn Ala Ile Tyr Asp Arg Thr Ile Ala Phe Ala Gly Ile Cys
1 10 15

Gln Ala Val Ala Leu Val Gln Gln Val Ala Lys Asn Gly Tyr Cys Asp 20 25 30

Ser Asp Ala Phe Glu Thr Ser Leu Lys Ala Ile Thr Cys Thr Asn Pro 35 40 45

Ser Asn Thr Leu Glu Val Phe Gly His Glu Ser Gln Leu Lys Leu Gly 50 60

Leu Glu Cys Leu Val Lys Gly Ile Asp Ser Thr Pro Ser Gly Ser Glu 65 70 75 80

Ile Thr Arg Tyr Leu Ile Ser Leu Met Ala Leu Glu Arg Lys Leu Ser 85 90 95

Gly Arg Arg Asp Ala Met Ser Gln Leu Gly Asp Arg Ile Gln Met Ile 100 . 105 110

Glu Arg Gln Leu Asp His Phe Asp Leu Phe Asp Asp Gln Met Ile Ser 115 120 125

Asn Leu Ala Ser Ile Tyr Leu Asp Val Ile Ser Pro Ile Gly Pro Arg 130 135 140

Ile Gln Val Thr Gly Thr Pro Ala Val Leu Gln Gln Thr Ala Asn Gln

His Lys Val Arg Ala Leu Leu Leu Ser Gly Ile Arg Cys Ala Val Leu Page 37

Trp Arg Gln Val Gly Gly Arg Arg His Leu Ile Phe Gly Arg Lys 180 185 190

Lys Met Ile Glu Gln Ala Gln Ile Leu Leu Ala Arg 195 200

<210> 63

<211> 211

<212> PRT

<213> Buchnera aphidicola

<400> 63

Met Lys Lys Ile His Leu Ile Thr Leu Ser Leu Ala Gly Ile Cys Gln 10 15

Ser Ala His Leu Val Gln Gln Leu Ala Tyr Ser Gly Lys Cys Asp Ser 20 25 30

Asn Ala Phe Ser Ile Cys Leu Lys Ser Ile Leu Glu Ile Asn Pro Thr 35 40 45

Ser Phe Ile Ala Ile Tyr Gly Asn His Glu Lys Asn Leu Ile Ile Gly 50 60

Leu Glu Ile Leu Leu Ser Thr Leu Thr Phe Ser Ser Phe Ser Tyr Ser 65 70 75 80

Tyr Ile Glu Leu Ile Lys Tyr Ile Ser Asn Met Met Ile Ile Glu Lys 85 90 . 95

Lys Leu Lys Lys Ser Arg Thr Ala Ile Tyr Ser Leu Lys Asn Lys Ile $100 \hspace{1cm} 105 \hspace{1cm} 110$

Ser Val Ile Ser Ser Glu Tyr Tyr Leu Asn Tyr Asn Ile Lys Asn Leu 115 120 125

Thr Arg Lys Leu Gly Glu Leu Tyr Leu Glu Ile Ile Ser Ser Leu Gly 130 140

Ser Arg Ile Val Ile Lys Gly Ile Lys Asp Phe Leu Gln Asp His Gln 145 150 155 160

Ile Gln Glu Lys Ile Arg Cys Leu Leu Phe Ser Gly Ile Arg Ala Ile 165 170 175

Val Leu Trp Lys Gln Tyr Gly Gly Asn Gln Leu Gln Leu Ile Tyr Phe Page 38

Arg Tyr Phe Ile Ile Lys Lys Ala Lys Lys Ile Leu Tyr His Leu Lys 195 200 205

Asp Ala Thr 210

<210> 64

<211> 206

<212> PRT

<213> Pseudomonas aeruginosa

<400> 64

Met Ser Asp Pro Arg Gln Gln Leu Ile Ala Leu Gly Ala Val Phe Glu 1 5 10 15

Ser Ala Ala Leu Val Asp Lys Leu Ala Arg Thr Gly Gln Ile Ser Glu 20 25 30

Ala Pro Leu Gly Cys Met Leu Gly Ser Leu Leu Ala Arg Asn Pro Ala 35 40 45

Ser Thr Leu Asp Val Tyr Gly Gly Asp Ser Leu Asn Leu Arg Asp Gly 50 60

Phe Lys Ala Leu Ala Ser Ala Leu Glu Arg Lys Pro Gly Ser Leu Gln 65 70 75 80

Arg Glu Pro Leu Arg Tyr Ala Leu Ala Met Leu Thr Leu Glu Arg Gln 85 90 95

Leu Asp Lys Arg Gly Asp Met Leu Asp Leu Ile Gly Gln Arg Leu Asp 100 105 110

Gln Val Glu Gln Gln Val Gln His Phe Gly Leu Val His Glu Asn Val 115 120 125

Ile Ala Ser Phe Ala Ser Ile Tyr Gln Asp Thr Leu Ser Thr Phe Arg 130 135 140

Gln Arg Ile Gln Val His Gly Asp Met Arg His Leu Gln Val Ser Ser 145 150 155 160

Asn Ala Ala Arg Ile Arg Ala Leu Leu Leu Ala Gly Ile Arg Ser Ala 165 170 175

Arg Leu Trp Arg Gln Leu Gly Gly Ser Arg Trp Gln Met Val Phe Ser Page 39

Arg Arg Leu Leu Asn Glu Leu Tyr Pro Leu Leu Arg Gly 195 200 205

<210> <211> 65

204

<212> PRT

<213> Xylella fastidiosa

<400>

Met Asn Ala Leu Ile Asp Asn Arg Val Leu Ala Leu Ala Gly Val Val 1 5 10 15

Gln Ala Leu Gln Gln Val Arg Gln Ile Ala Glu Thr Gly Gln Ser Glu 20 25 30

Thr Ser Ala Val Arg Thr Ala Ile Asn Ser Val Leu Arg Ile Asp Ala
35 40 45

Glu Ser Pro Glu Ala Val Tyr Gly Arg Ile Arg Asp Leu Thr Gln Gly 50 60

Leu Gln Leu Leu His Asp Tyr Phe Gly Asn Gln Leu Arg Asp Gln Leu 65 70 75 80

Leu Pro Arg Leu Ala Leu Ala Val Leu Gln Leu Glu Arg Arg Phe Ile 85 90 95

Arg Asp Thr Ser Ile Val Ala Ala Val Ser Ala Gly Ile Thr Gln Ala 100 105 110

Ala His Gln Val Glu Gln Thr Gly Asp Ser Ala His Pro Glu Val Leu 115 120 125

Ser Thr Leu Gly Ala Leu Tyr Ala Asn Thr Ile Ser His Leu Arg Pro 130 135 140

Arg Ile Ile Val Gln Gly Asn Pro His Tyr Leu Gly Gln Ala Gly Val 145 150 155 160

Val Ala Glu Ile Arg Ala Met Leu Leu Ala Ala Leu Arg Ser Ala Val 165 170 175

Leu Trp Arg Gln Leu Asn Gly Asn Leu Leu Asp Phe Met Leu Ala Lys 185

Arg Ala Met Ala Ala Ala Thr Glu Arg Ala Leu Arg

195